

ES950 e-CORE
ES951 e-CORE

MORE VALUE FOR YOUR MACHINE.

HSD
MECHATRONICS

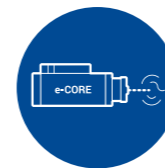


ES951 e-CORE™



Capabilities Industry 4.0 Ready

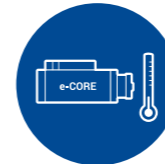
Air Tool



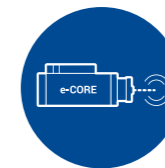
Connessione Fieldbus
Fieldbus Connection



Monitoraggio Temperatura Motore
Motor Temperature Monitoring



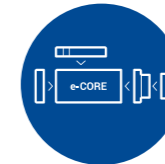
Monitoraggio Vibrazioni
Vibration Monitoring



Set-Up Remoto Sensori
SRS Sensor Remote Set-Up



Assemblaggio Modulare
Modular Assembly



Controllo Ridondante della Velocità
Double SignalSpeed Control



Encoder



Monitoraggio Temperatura Cuscinetti
Bearings Temperature Monitoring



Let Spindle be Smart

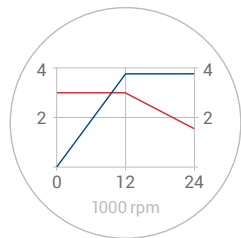
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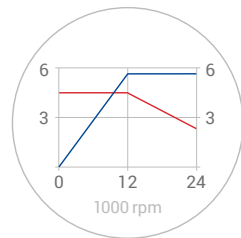
Serie
ES950/ES951e-CORE
Range
ES950/ES951e-CORE



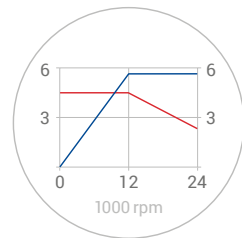
ELETTROMANDRINI ELECTROSPINDLES		ES950 ISO30	ES950 HSK F63	ES950 ISO30	ES951 HSK F63	ES951 ISO30	ES950 HSK F63	ES951 HSK F63	ES951 ISO30	ES951 HSK F63
Potenza S1/S6 Power S1/S6	kW	3,8/4,5	5/6	5/6	6/7,2	6/7,2	7,5/9	8/9,6	8/9,6	8,5/10,2
Coppia S1/S6 Torque S1/S6	Nm	3/3,6	4/4,8	4/4,8	9,5/11,5	9,5/11,5	6/7,2	6,4/7,6	6,4/7,6	13,5/16,2
Sbloccaggio Utensile Tool Release		Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
Tensione Nominale Rated Voltage	V	220/380	380	380	380	380	380	380	220/380	380
Opzione Encoder Option Encoder		-	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	-	LB 1 Vpp or TTL
Poli Poles		2	4	4	4	4	4	4	4	4
Cuscinetti Anter./ Posteriori Front/ Rear Bearings		Ceramics	Ceramics	Ceramics	Ceramics	Ceramics	Ceramics	Ceramic	Ceramics	Ceramics
Lubrificazione Cuscinetti Bearings Lubrication		Grease	Grease	Grease	Grease	Grease	Grease	Grease	Grease	Grease
Frequenza Massima Max Frequency	Hz	400	800	800	800	800	800	800	800	800
Velocità Massima Max Speed	rpm	24000	24000	24000	24000	24000	24000	24000	24000	24000
Velocità Nominale Rated Speed	rpm	12000	12000	12000	6000	6000	12000	12000	12000	6000
Peso Weight	kg	~ 22,5	~ 21,5 / ~ 24,5	~ 21,5 / ~ 24,5	~ 27	~ 27	~ 20,5 / 23,5	~ 27	~ 27	~ 27
Raffreddamento Cooling		Electric Fan	Electric Fan	Electric Fan	Electric Fan Forced Air	Electric Fan Forced Air	Liquid	Electric Fan Forced Air	Electric Fan	Electric Fan Forced Air



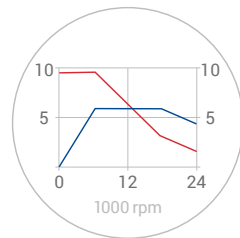
— [kW] S1
— [Nm] S1



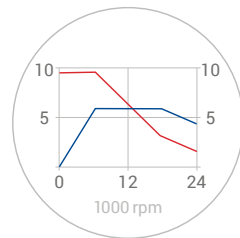
— [kW] S1
— [Nm] S1



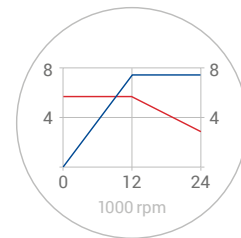
— [kW] S1
— [Nm] S1



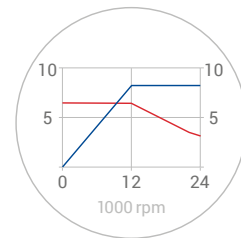
— [kW] S1
— [Nm] S1



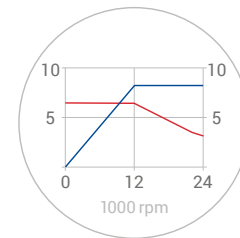
— [kW] S1
— [Nm] S1



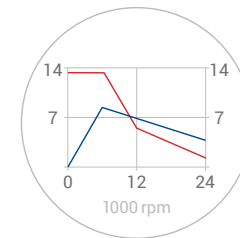
— [kW] S1
— [Nm] S1



— [kW] S1
— [Nm] S1

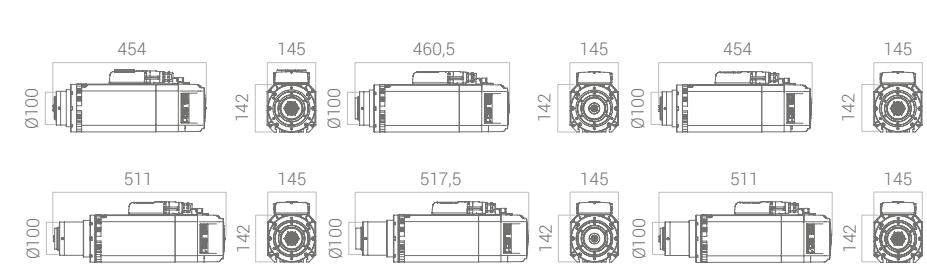
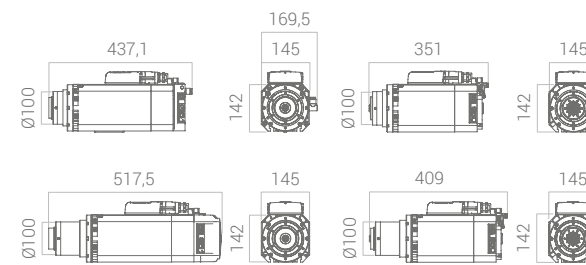
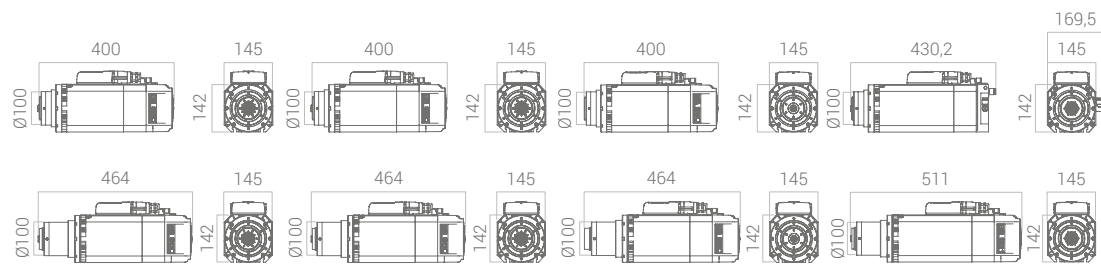


— [kW] S1
— [Nm] S1



— [kW] S1
— [Nm] S1

Technical data and illustrations are not binding and, for the sake of continual improvement of its products, HSD Mechatronics reserves the right to make modifications without prior notice



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**ELETTROMANDRINI
ELECTROSPINDLES**

ES951 ISO30	ES951 HSK F63	ES951 HSK F63	ES951 ISO30	ES951 HSK F63	ES951HT HSK F63/E63	ES951 HSK F63	ES951 HSK E63
8,5/10,2	10/12	11/13,2	11/13,2	16/19,2	16/19,2	25/30	25/30
13,5/16,2	15,9/19	8,7/10,5	8,7/10,5	12,7/15,3	19/22,8	23,9/28,6	23,9/28,6
Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
380	380	380	380	380	380	380	380
LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL
4	4	4	4	4	4	4	4
Ceramics	Ceramics	Ceramics	Ceramics	Ceramics	Ceramics	Ceramics	Ceramics
Grease	Grease	Grease	Grease	Grease	Grease	Grease	Grease
800	800	800	800	800	600	600	600
24000	24000	24000	24000	24000	18000	18000	18000
6000	6000	12000	12000	12000	8000	10000	10000
~ 27	~ 29	~ 27	~ 27	~ 30	~ 31	~ 29	~ 29
Electric Fan Forced Air	Liquid	Electric Fan Forced Air	Electric Fan	Liquid	Liquid	Liquid	Liquid

kW Potenza S1/S6
Power S1/S6

Nm Coppia S1/S6
Torque S1/S6

**Sbloccaggio Utensile
Tool Release**

V Tensione Nominale
Rated Voltage

**Opzione Encoder
Option Encoder**

**Poli
Poles**

**Cuscinetti Anter./ Posteriori
Front/ Rear Bearings**

**Lubrificazione Cuscinetti
Bearings Lubrication**

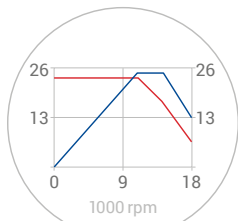
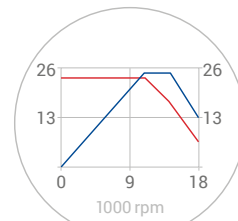
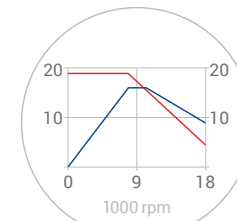
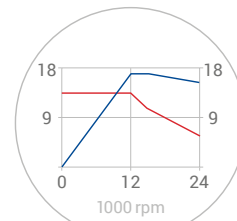
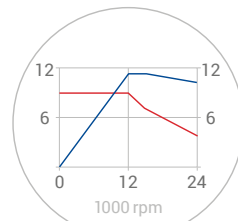
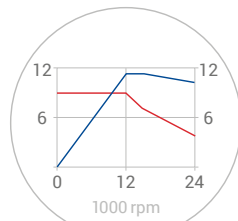
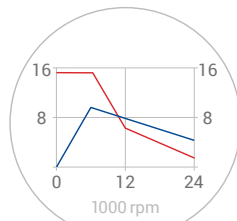
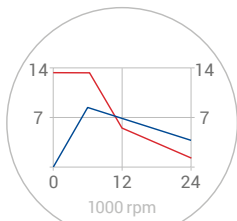
Hz Frequenza Massima
Max Frequency

rpm Velocità Massima
Max Speed

rpm Velocità Nominale
Rated Speed

kg Peso
Weight

**Raffreddamento
Cooling**



[kW] S1
[Nm] S1

[kW] S1
[Nm] S1

[kW] S1
[Nm] S1

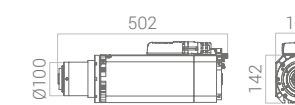
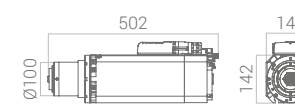
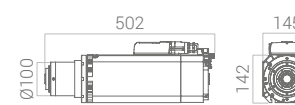
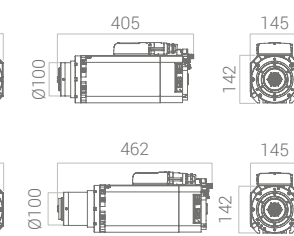
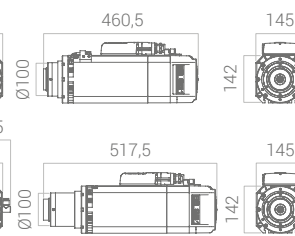
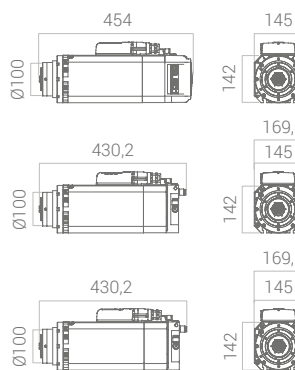
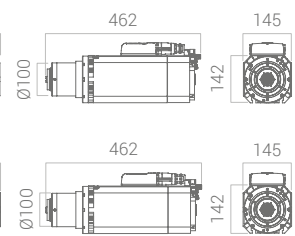
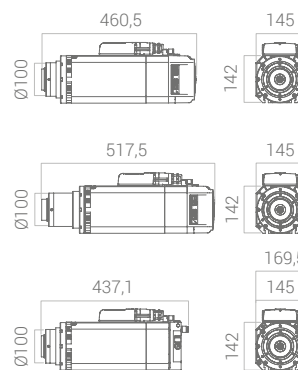
[kW] S1
[Nm] S1

[kW] S1
[Nm] S1

[kW] S1
[Nm] S1

[kW] S1
[Nm] S1

[kW] S1
[Nm] S1





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WINDOWS & FURNITURE
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